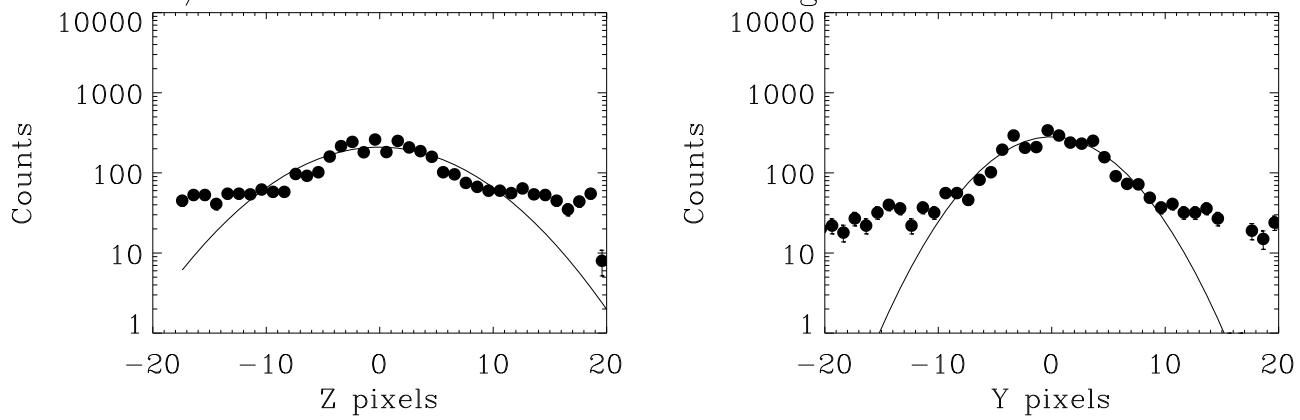
H-IAS-PW-2.045/H-IAS-PW-2.045_02346.fits_img.fits



All measurements in pixels

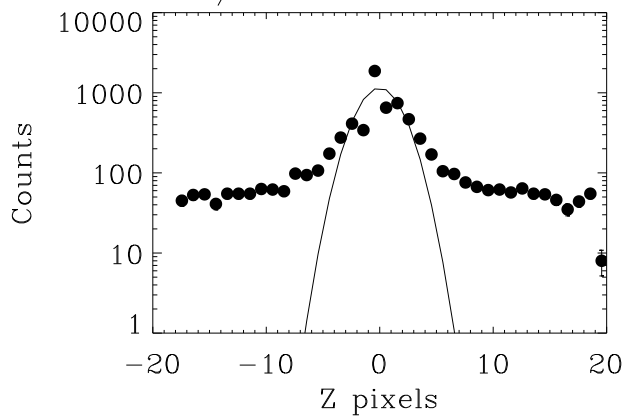
Z gaussian FWHM = 15.411657

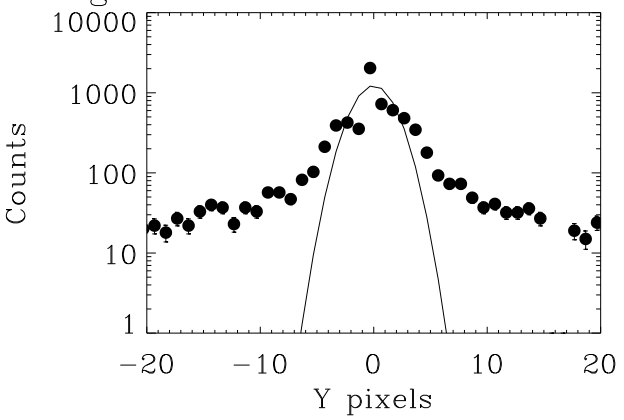
Y gaussian FWHM = 10.652061

Z fit parameters: Amplitude= 210 Offset= 17 Sigma= 6

Y fit parameters: Amplitude= 282 Offset= 24 Sigma= 4

H-IAS-PW-2.045/H-IAS-PW-2.045_all.fits_img.fits





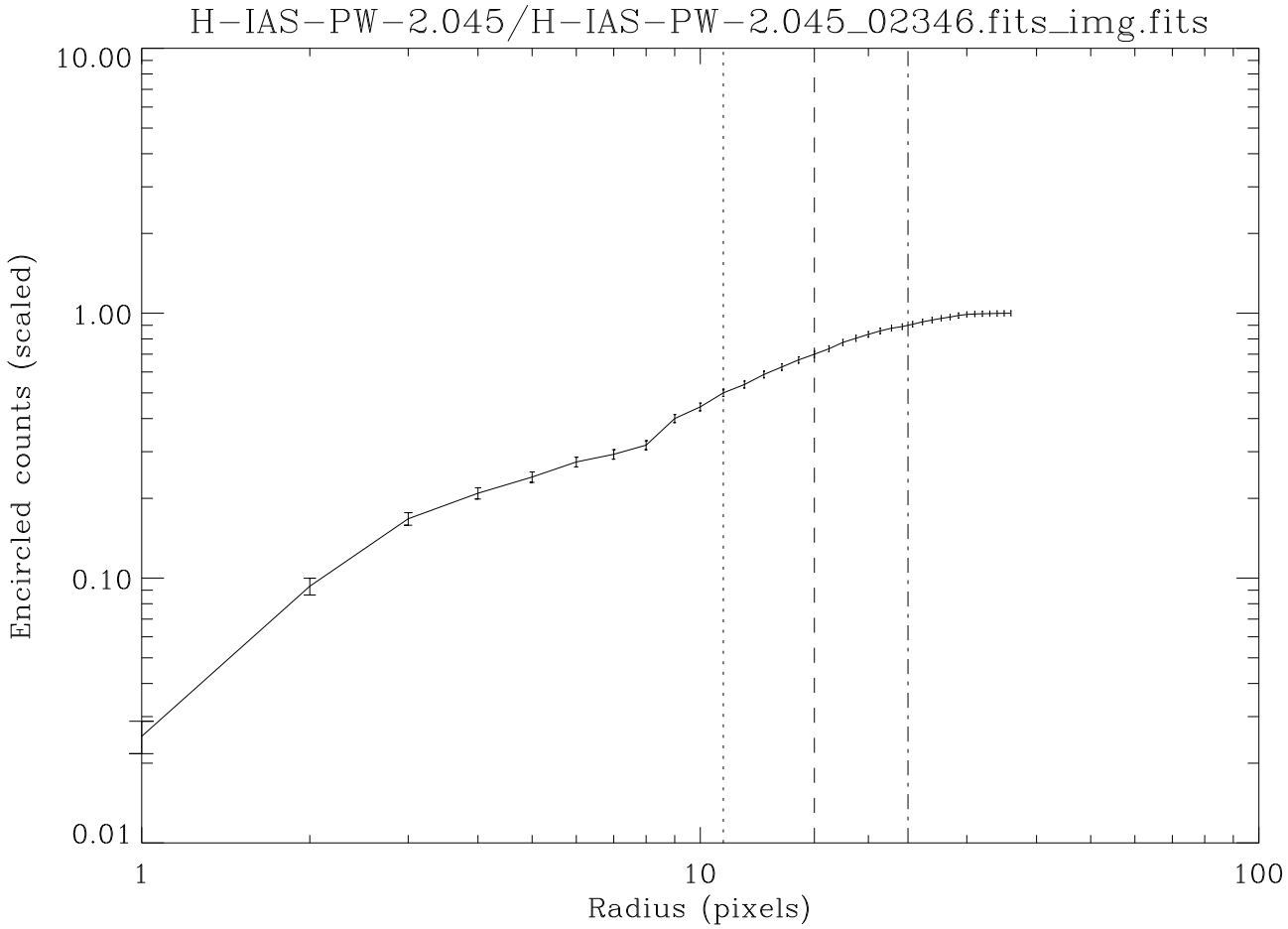
All measurements in pixels

Z gaussian FWHM = 4.1389359

Y gaussian FWHM = 4.0103269

Z fit parameters: Amplitude= 1151 Offset= 17 Sigma= 1

Y fit parameters: Amplitude= 1231 Offset= 24 Sigma= 1



Encircled energy radii in pixels

50% radius = 10.9957

70% radius = 16.0043

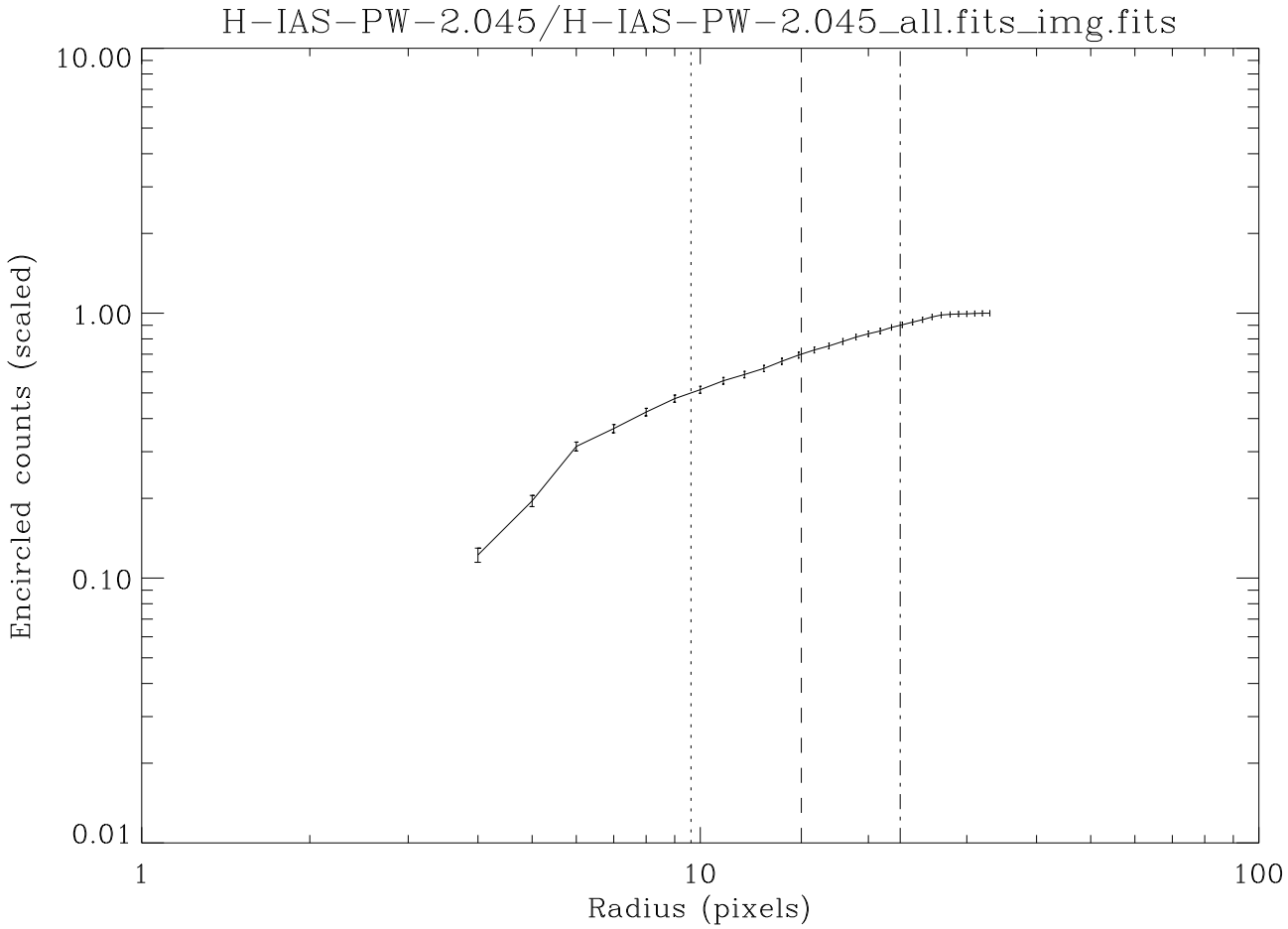
90% radius = 23.5432

Encircled energy radii in microns

50% radius = 263.897

70% radius = 384.104

90% radius = 565.038



Encircled energy radii in pixels

50% radius = 9.62651

70% radius = 15.1681

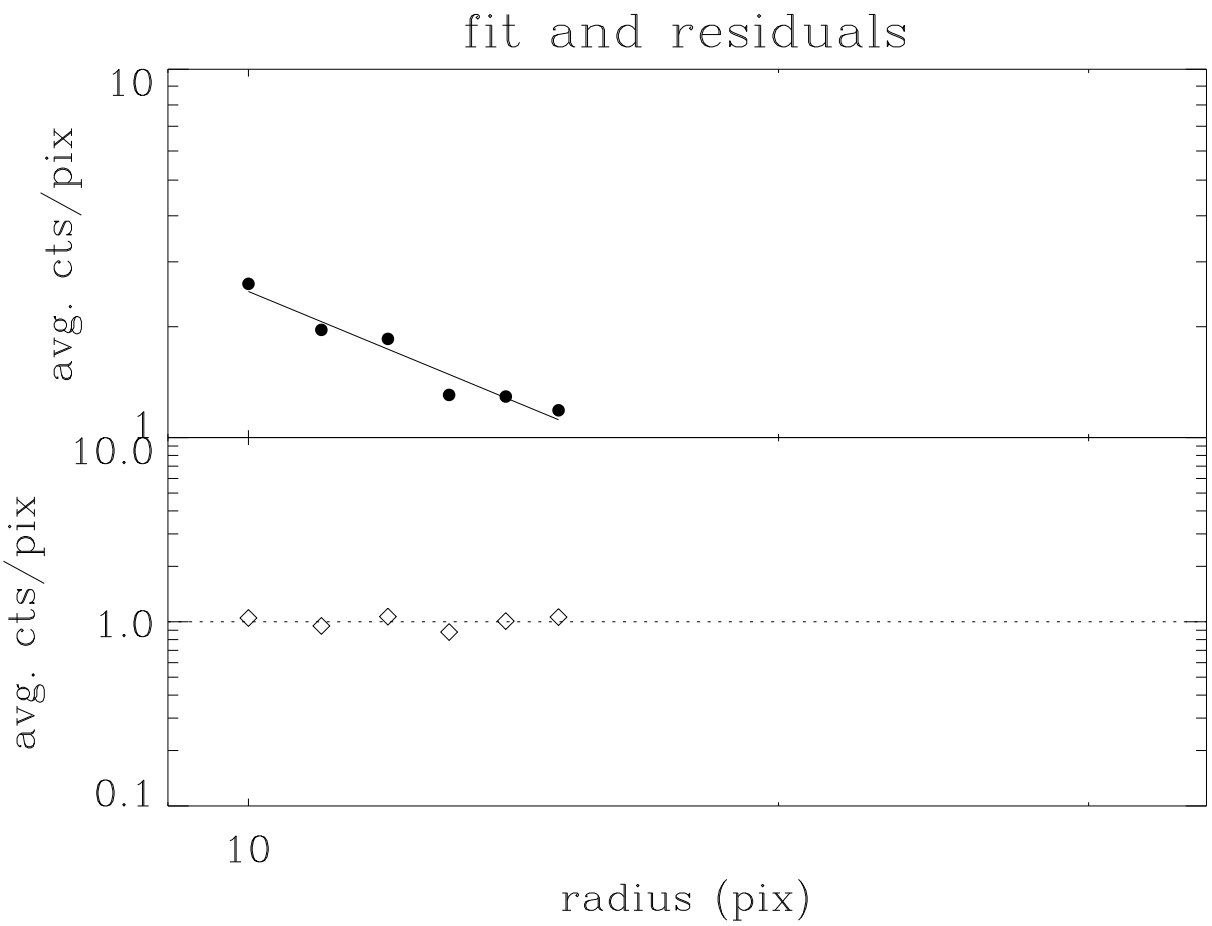
90% radius = 22.8000

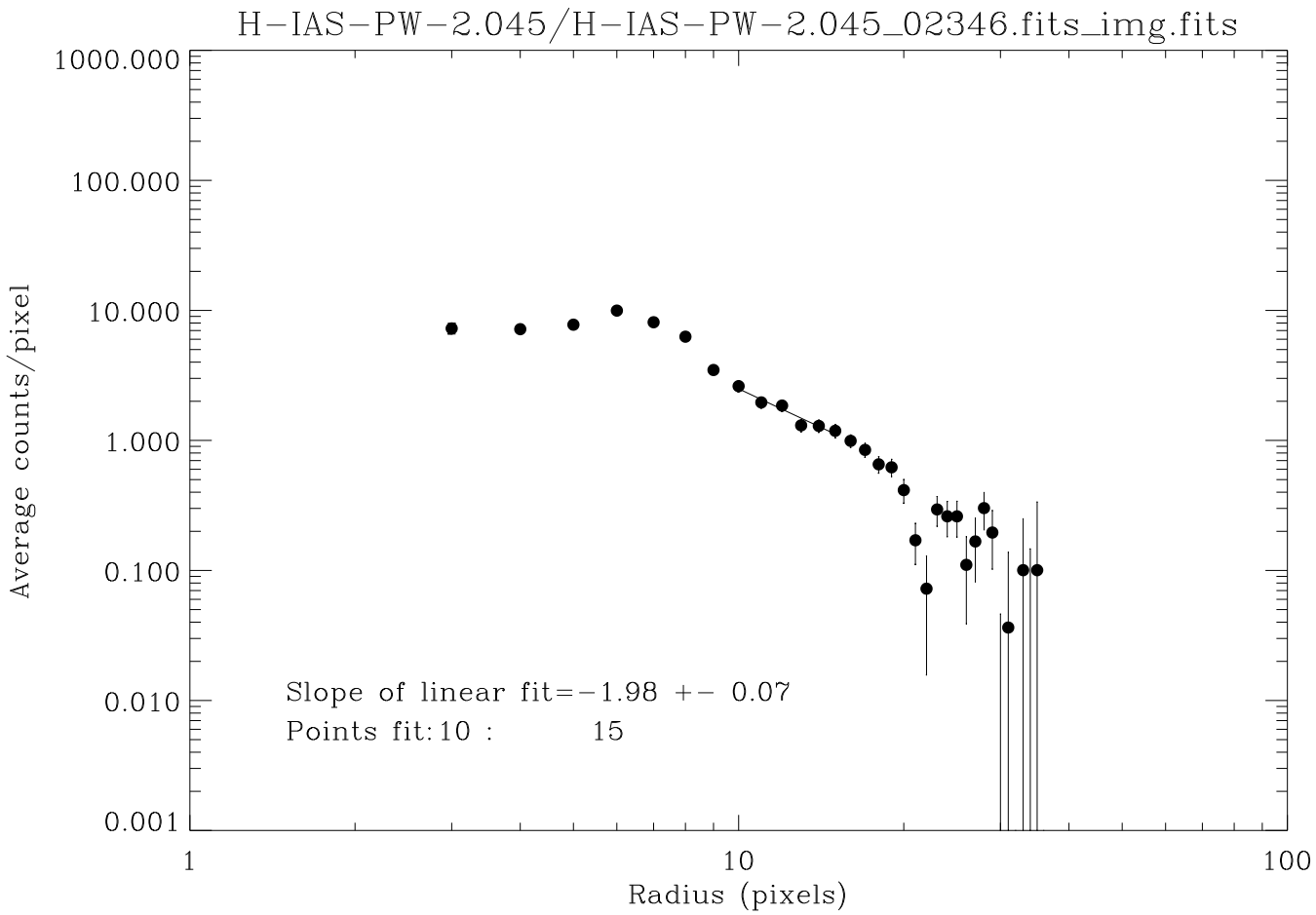
Encircled energy radii in microns

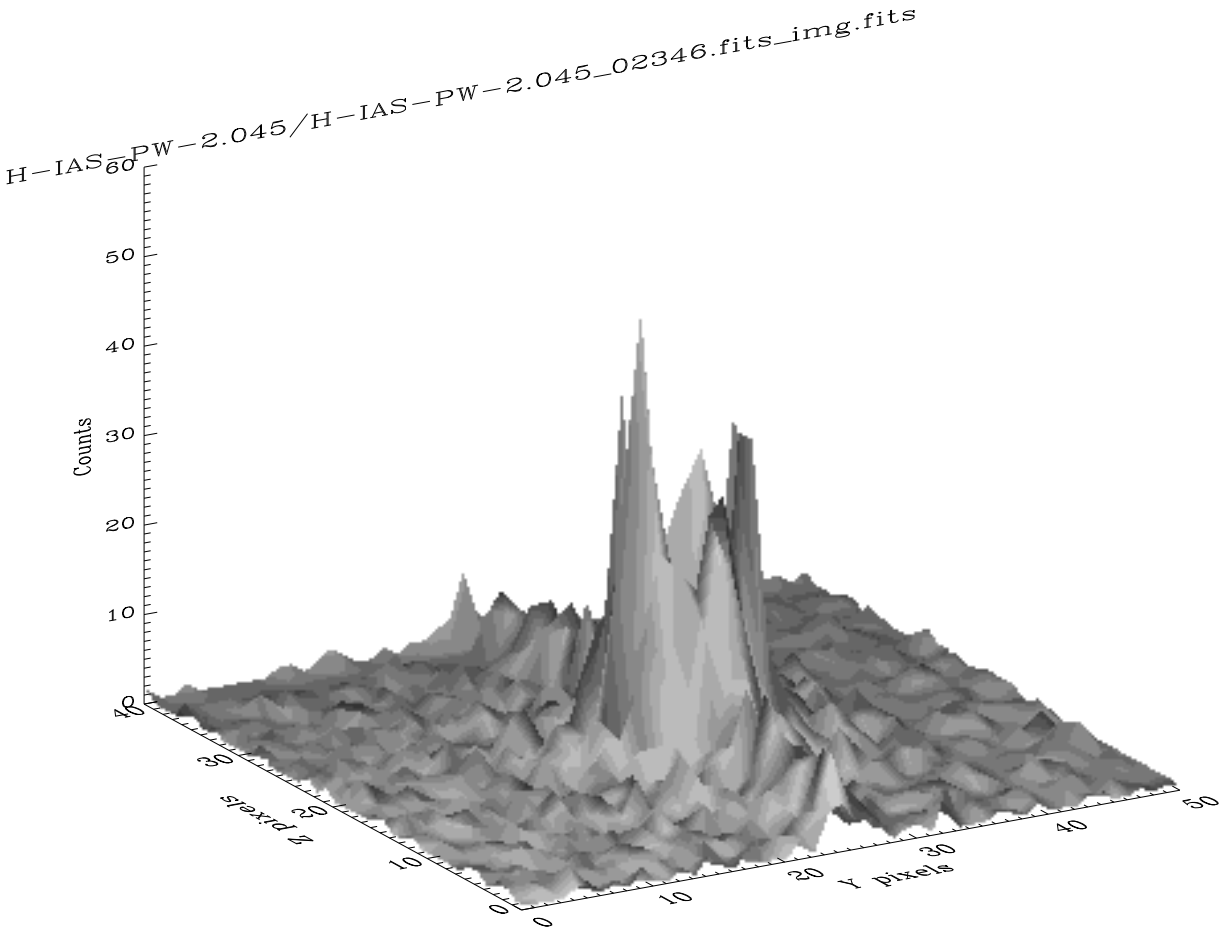
50% radius = 231.036

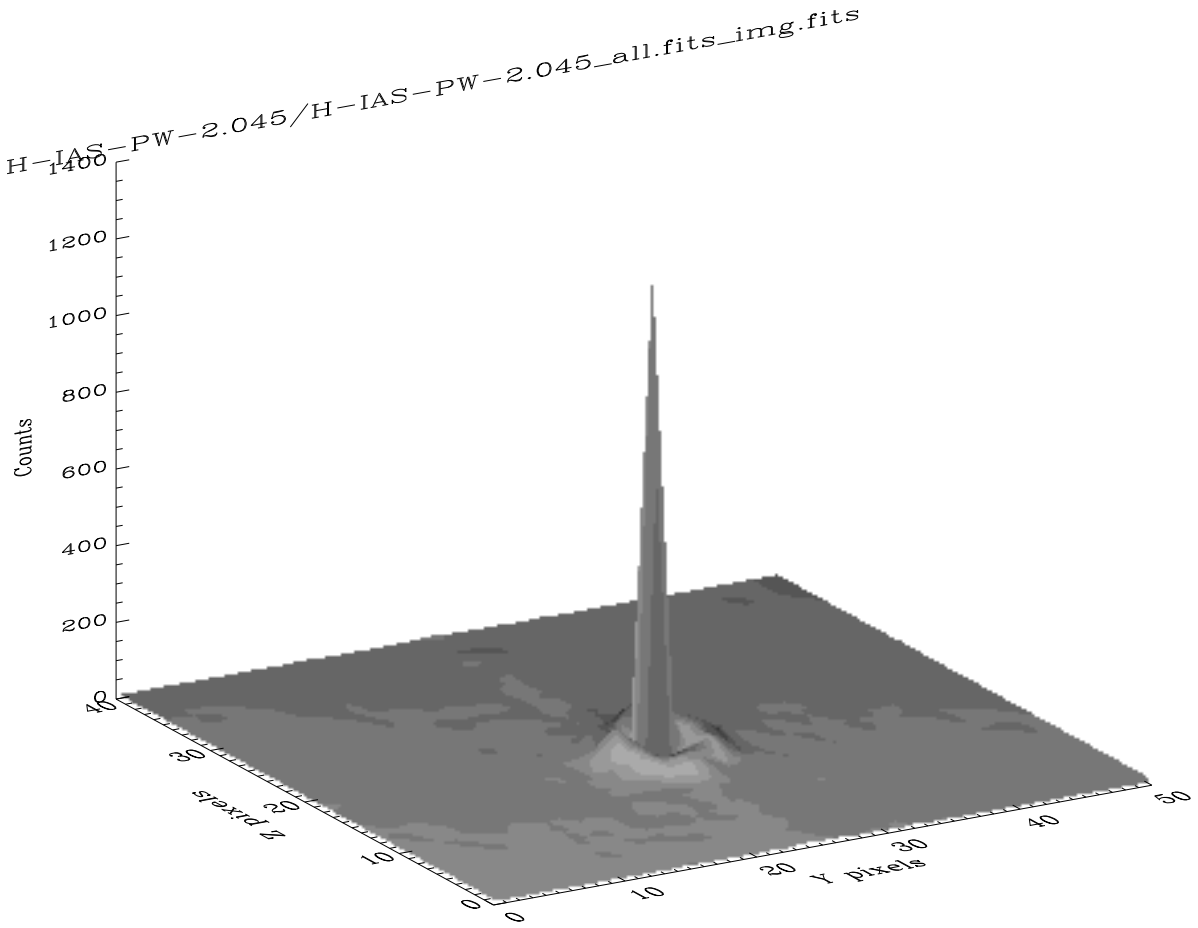
70% radius = 364.035

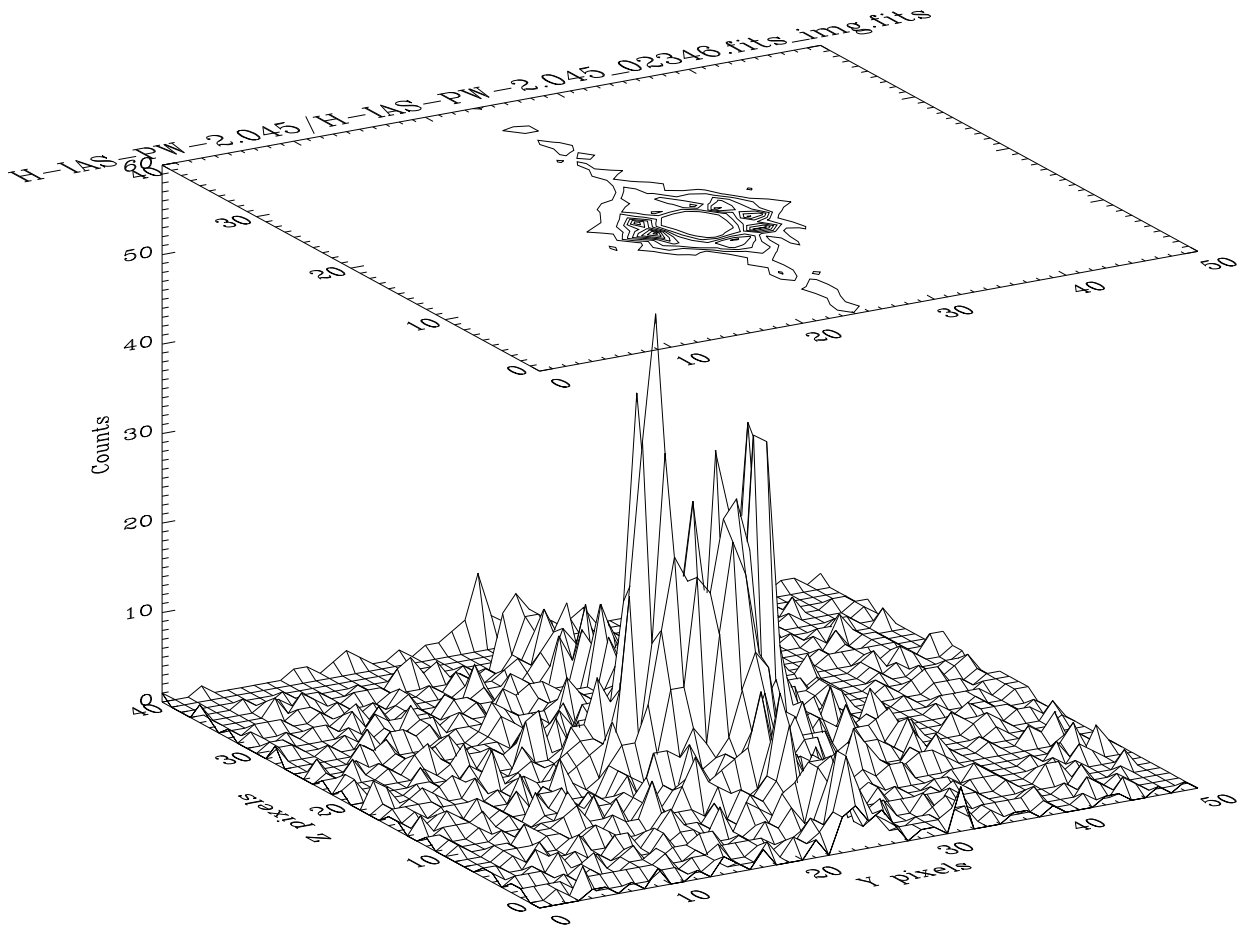
90% radius = 547.200

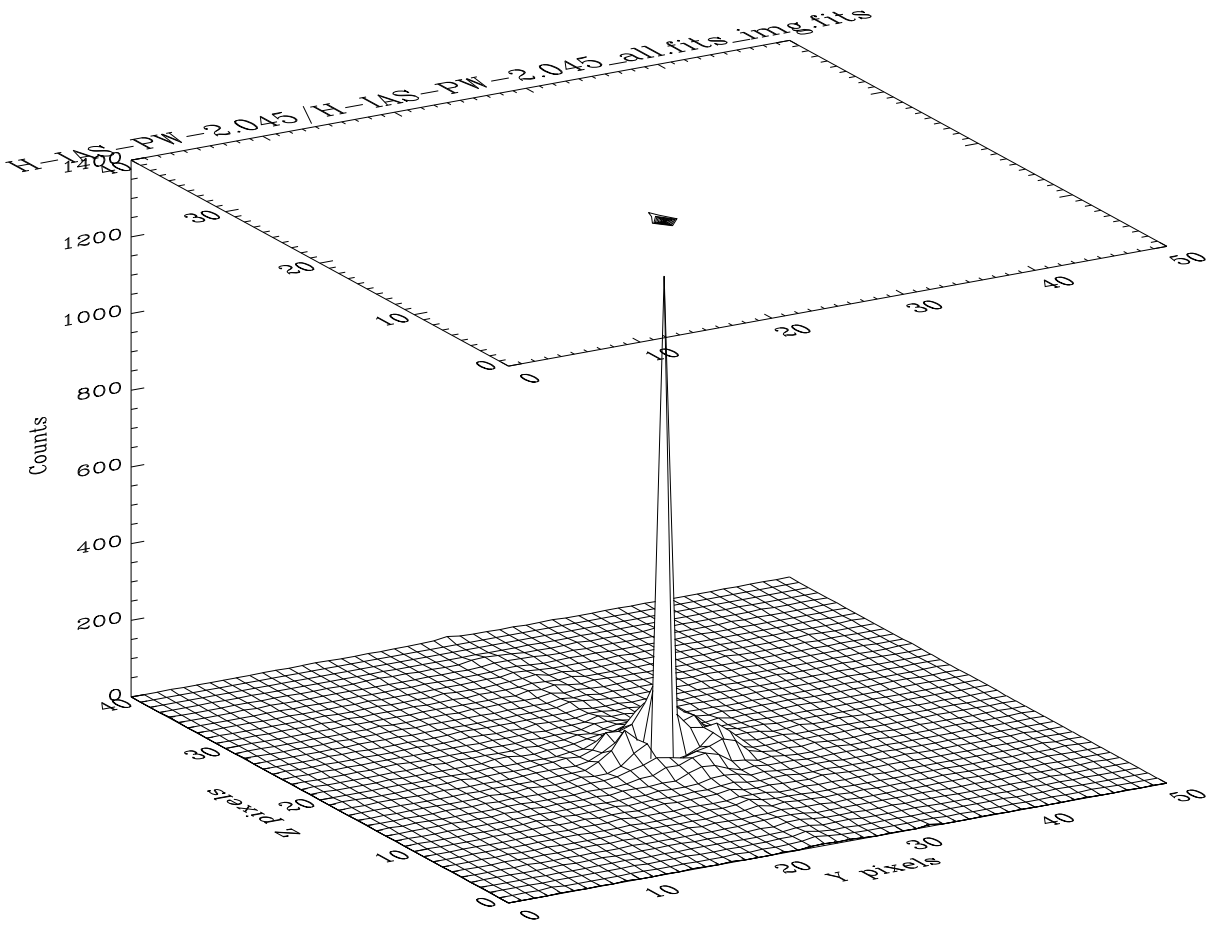

fit and residuals
10
1
avg. cts/pix
10.0
1.0
0.1
avg. cts/pix
10
radius (pix)

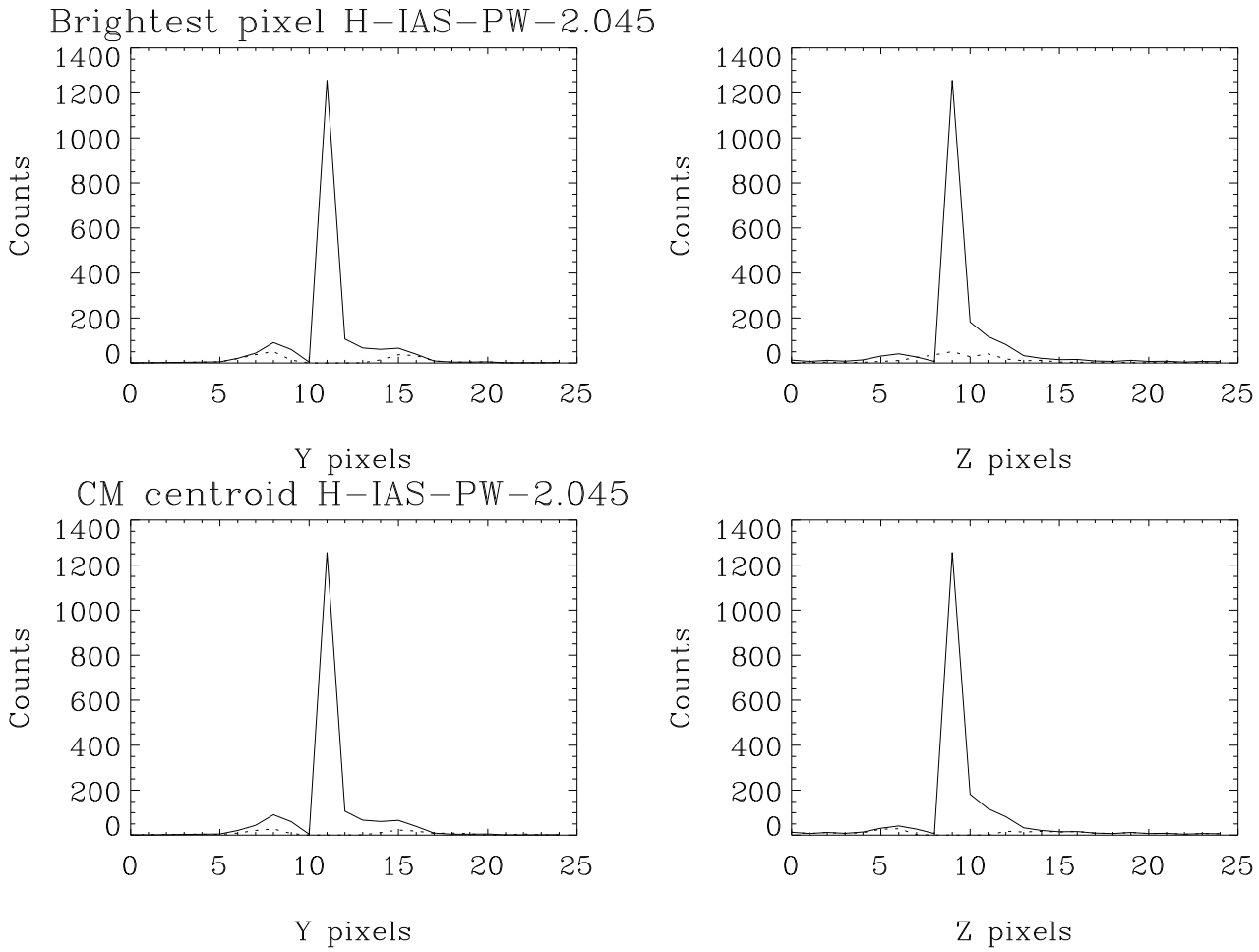

H−IAS−PW−2.045/H−IAS−PW−2.045_02346.fits_img.fits
1000.000
100.000
10.000
1.000
0.100
0.010
0.001
Average counts/pixel
Slope of linear fit=−1.98 +− 0.07
Points fit:10 : 15
1
10
100
Radius (pixels)


H-IAS-PW-2.045/H-IAS-PW-2.045_02346.fits_img.fits
Counts
60
50
40
30
20
10
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H-IAS-PW-2.045/H-IAS-PW-2.045_all.fits_img.fits
Counts
1400
1200
1000
800
600
400
200
0
X pixels
40
30
20
10
0
Y pixels
0
10
20
30
40
50


H-IAS-PW-2.045/H-IAS-PW-2.045_02348.fits_img.fits
Counts
X pixels
Y pixels


H-1AS-PW-2.045/H-1AS-PW-2.045_all.fits_img.fits
Counts
X pixels
Y pixels



Solid lines: all grades, dotted lines: g=02346

Brightest pixel (Y,Z)

All grades	11	9
Std. grades	8	9

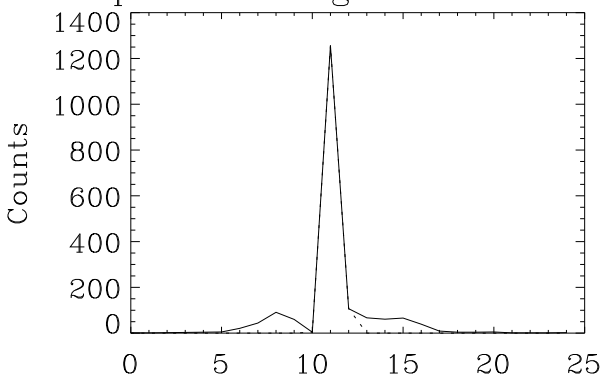
CM Centroid (Y,Z)

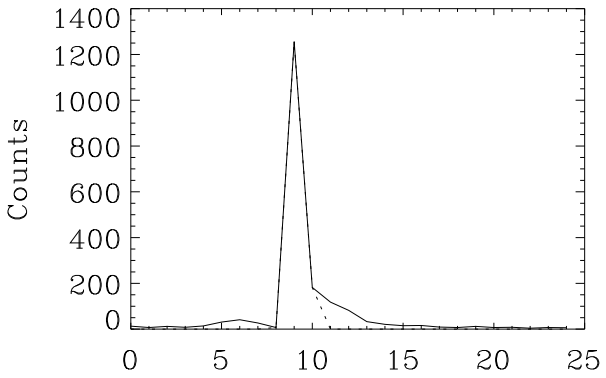
All grades	11.4586	9.95874
Std. grades	11.4960	10.4399

Brightest pixel maxima

All grades:	1256.00
Std. grades:	51.0000

Brightest pixel – All grades H–IAS–PW–2.045

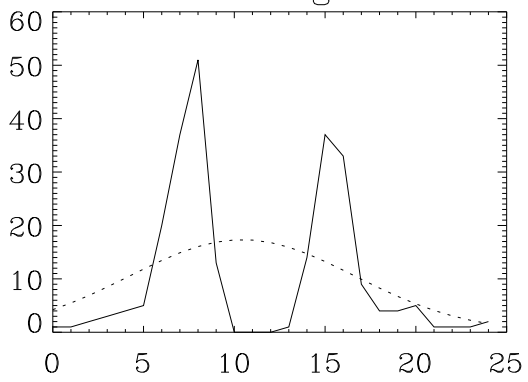


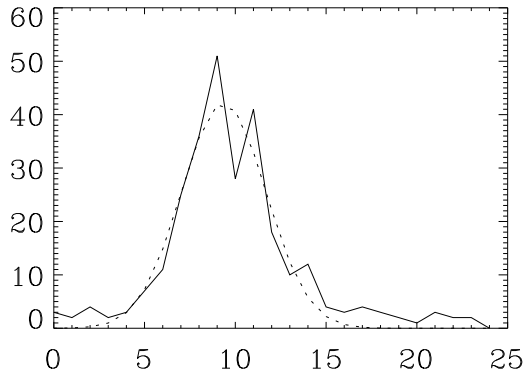


Y pixels

Z pixels

Standard grades





Total counts (area under gaussians, shown by dotted line)

	Integrated	Analytical
All Y	1854.5462	1294.1795
Std Y	253.66636	270.21913
All Z	1887.3984	1419.6672
Std Z	246.14455	246.15906

	amplitude	offset	sigma	FWHM
All Y:	1477.9777	11.199472	0.34933065	0.82232439
Std Y:	17.333927	10.436303	6.2191236	14.639818
All Z:	1505.4284	9.2266670	0.37621533	0.88561093
Std Z:	42.334689	9.3614188	2.3196877	5.4605450